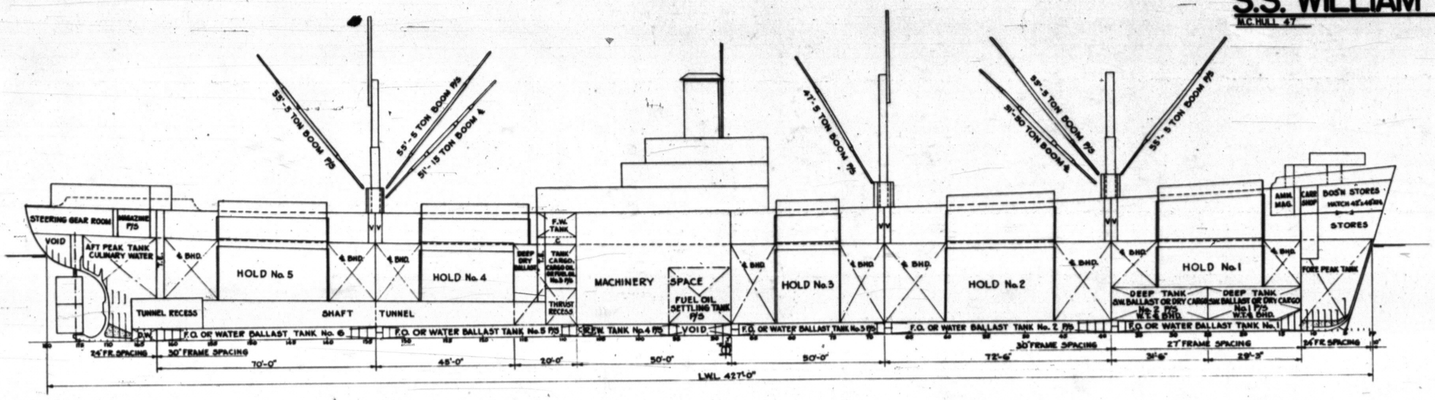
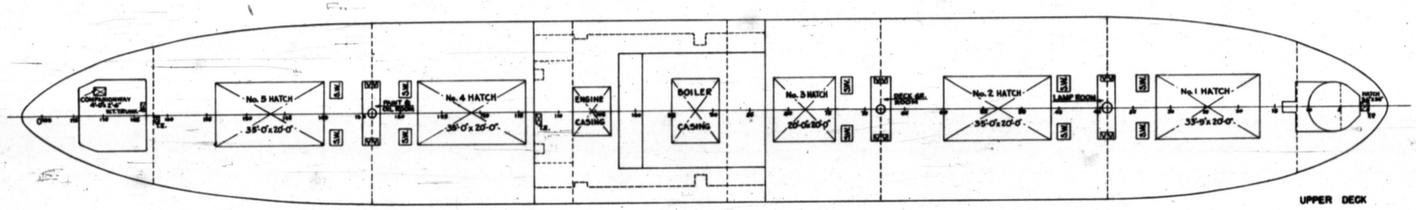
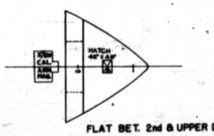
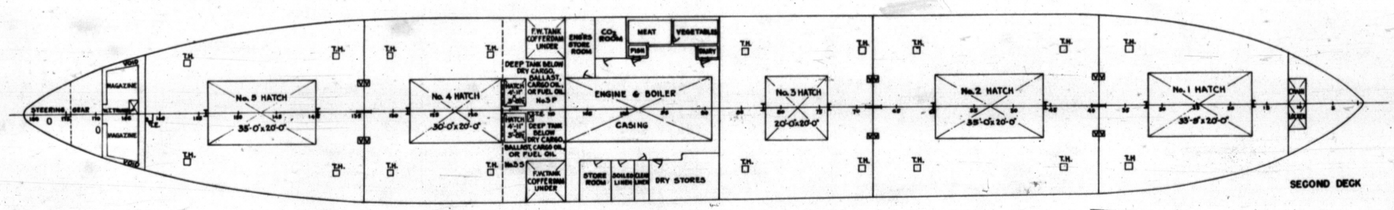
S.S. WILLIAM MACLAY

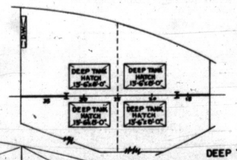
M.C. HULL 47 — B.V. HULL 2054

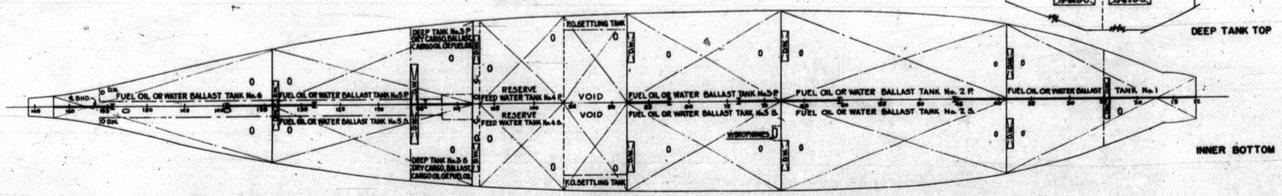












ABBREVIATION

T.E.– TUNNEL ESCAPE
T.H.– TRIMMING HATCH
D.W.– DRAIN WELL
S.W.– STEAM WINCH
V. – VENT TRUNK
C. – COFFERDAM

STORES

STORE ROOM	CU. FT.
BOS'N. STORES ON 2nd DECK F.P. TO FR. 12	3034
BOS'N. STORES ON FLAT BET. 2nd & UPP. DKS.	3492
CABIN STORES 2nd DK. (FRS. 88-106)	4329
LINEN LOCKER	585
BONDED STORES	186
REFRIGERATED STORES:	
MEAT	801
FISH	173
VEGETABLES	768
DAIRY	176

CARGO

COMPARTMENT		GRAIN CAP. G.F.	BALE CAP. G.F.
HOLD No. 1	HOLD	41257	39083
	TWEEN DECKS	43143	39585
HOLD No. 2	HOLD	98880	92006
	TWEEN DECKS	46744	42830
HOLD No. 3	HOLD	68459	59793
	TWEEN DECKS	27970	23904
HOLD No. 4	HOLD	58841	52574
	TWEEN DECKS	35277	29889
HOLD No. 5	HOLD	58620	5571
	TWEEN DECKS	34570	30864
DEEP TANKS	No. 1P.	3639	2729
" "	No. 1S.	3639	3004
" "	No. 2P.	7473	5294
" "	No. 2S.	7473	5579
" "	No. 3P.	13674	12506
" "	No. 3S.	13188	12024
	TOTAL	562627	499816

WATER BALLAST

TANK		CU. FT.	TONS @ 35 CF
FORE PEAK		5073	145
WATER BALLAST	No. 1	5029	144
" "	No. 2P	5967	170
" "	No. 2S.	5967	170
" "	No. 3P	4400	126
" "	No. 3S.	4365	125
" "	No. 5P	4391	125
" "	No. 5P	4391	125
" "	No. 6	4118	118
AFTER PEAK-CULINARY WATER		5438	155
DEEP TANKS	No. 1P	3973	114
" "	No. 1S.	3973	114
" "	No. 2P	7340	210
" "	No. 2S.	7340	210
" "	No. 3P	13540	387
" "	No. 3S.	13065	373
	TOTAL	98370	2811

FRESH WATER

TANK		GAL'S	TONS @ 35 CF
RESERVE FEED	No. 4P	17855	60
" "	No. 4S	17855	66
FRESH WATER	FR. 108-113 P	7541	28
" "	FR. 108-113 S.	7541	28
	TOTAL	50792	188

FUEL OIL

TANK		GAL'S	TONS @ 35.2 CF
FUEL OIL TANK	No. 1	36863	132
" " "	No. 2P	43742	157
" " "	No. 2S.	43742	157
" " "	No. 3P	32251	116
" " "	No. 3S.	31955	115
" " "	No. 5P	32185	116
" " "	No. 5S.	32185	116
" " "	No. 6	30183	108
	TOTAL	283106	1017
F.O. SETTLING TANK	FR. 88-96 P	14083	51
" " "	FR. 88-96 S.	14083	51
	TOTAL	28166	102
CARGO OIL OR FUEL OIL			
DEEP TANK	No. 3P	99257	356
" "	No. 3S.	95772	344
	TOTAL	195029	700
TOTAL (ALL F.O)		506301	1819

PRINCIPAL DIMENSIONS

L.O.A.	441'-7½"
L.B.P. (25⅝% W.L.)	416'-0"
BREADTH, MLD.	58'-10⅜"
BREADTH, EXTREME	57'-1⅞"
DEPTH TO UPPER DECK, MLD.	37'-4"
DEPTH TO SECOND DECK, MLD.	28'-7"
DRAFT	27'-9¼"

CAPACITIES & TYPES OF WINCHES
7½" DBL. GEARED WINCHES FOR 5 & 15 TON BOOMS
9"x12" " " WINCH FOR 50 TON BOOM

HEIGHTS OF MASTS

FIXED MAST ABOVE DECK	FOREMAST	40'-3⅝"
" " " "	FR. 88	45'-11¾"
" " " "	FR. 134	62'-2⅞"
TELESCOPIC " " "	FR. 88	62'-11¾"
" " " "	FR. 134	62'-2⅞"

ENGINE
DIRECT ACTING CONDENSING THREE CYLINDER TRIPLE EXPANSION ENGINE DEVELOPING 2500 I.H.P. AT 76 R.P.M.

BOILERS
TWO MAIN BOILERS OF THE CROSS DRUM SECTIONAL SINUOUS HEADER STRAIGHT TUBE TYPE FITTED WITH SUPER HEATERS, BURNING BUNKER "C" FUEL OIL

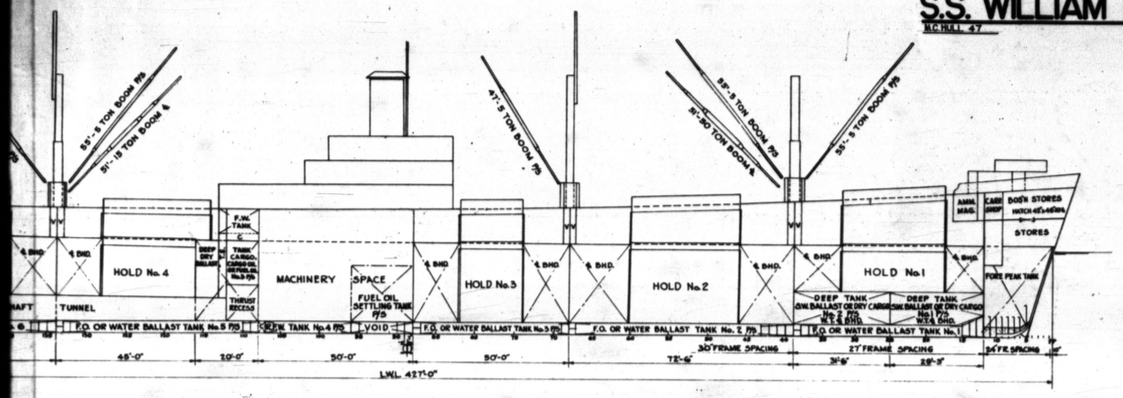
DEADWEIGHT SCALE

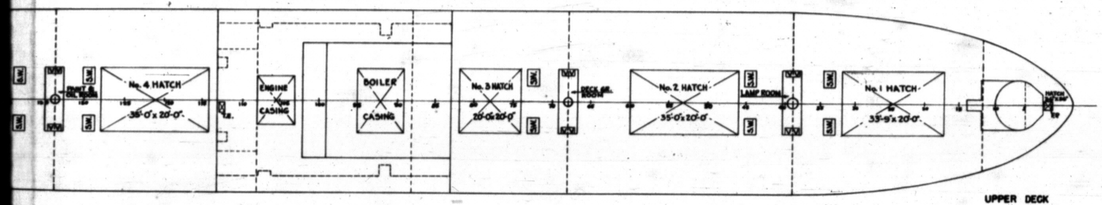
DEADWEIGHT S.W.	DRAFT	DISPLACEMENT S.W.	TONS PER INCH
	28		49
11000		14257	
	27	14000	48.5
10000			
	26	13000	48
	25		47.5
9000		12000	
	24		47
8000		11000	
	23		46.5
7000		10000	
	22		46
6000		9000	
	21		45.5
5000		8000	
	20		45
4000		7000	
	19		44.5
3000		6000	
	18		44
2000		5000	
	17		43.5
1000		4000	
	16		43
0			
	15		42.5
	14		42
	13		41.5
	12		41
	11		40.5
	10		40
	9		39.5
	8		39

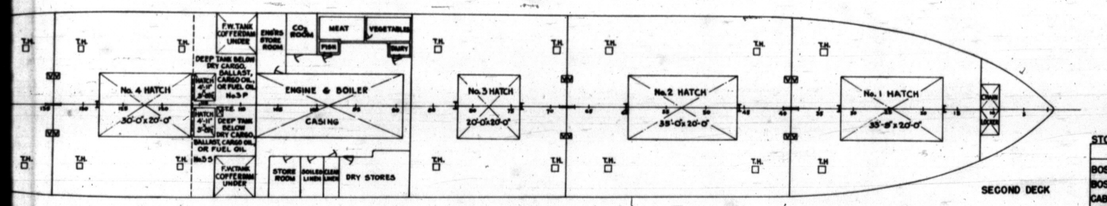
10920

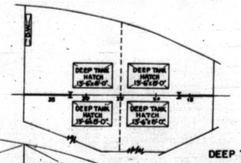
S.S. WILLIAM MACLAY

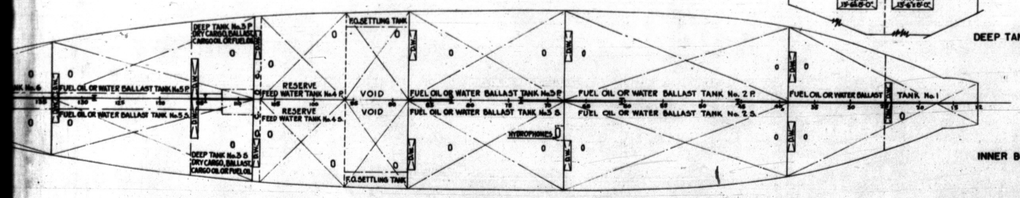
MCHELL 47 — B.F. BETH. 2054











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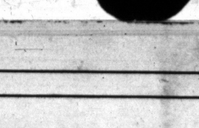

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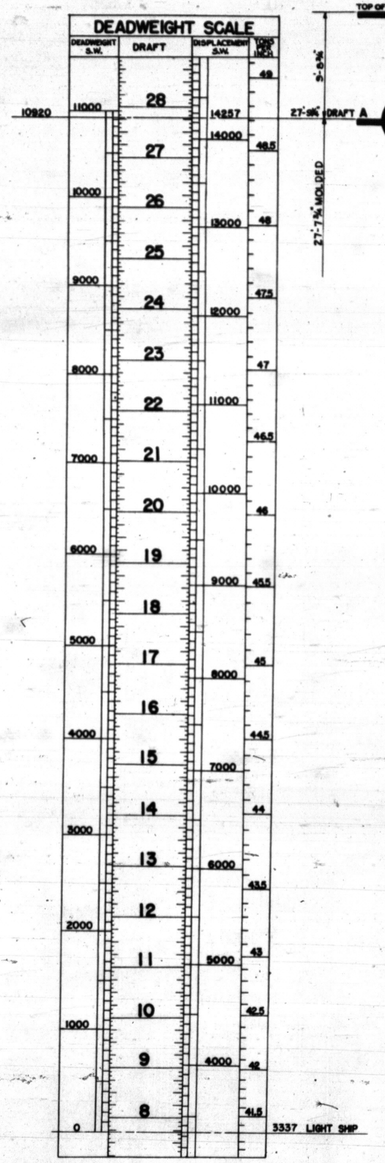

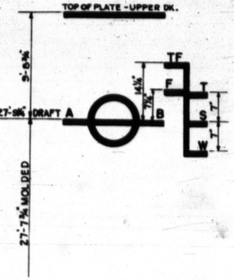

NOTE:
THE LIGHT WEIGHT OF THE SHIP INCLUDES THE 5"/51 CALIBER GUN AFT., 4-20 M.M. MACHINE GUNS, 4-30 CALIBER MACHINE GUNS, 3"/50 CALIBER GUN FORWARD & AMMUNITION

DESIGN NO. EC2-S-C1

UNITED STATES MARITIME COMMISSION
EMERGENCY SHIP CONTRUCTION DIVISION

CAPACITY PLAN

SCALE 1/16" = 1'-0" — DATE JULY 2, 1942

DRAWN P.F.R. — APPROVED
TRACED — APPROVED
CHECKED E.F.C. — APPROVED

BETHLEHEM-FAIRFIELD SHIPYARD, INCORPORATED
FAIRFIELD — BALTIMORE, MD.

M.C.E. PLAN NO. 14-63 301-312 S29-1-1-34

APPROVED AS NOTED IN
M.C.E. LETTER DATED July 14, 1942
M.C.E. FILE NO. 329 (1)
BY
BY